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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/711,541

09/24/2004

Bar-Chung Hwang

11835-US-PA

5540

31561

7590

03/10/2005

JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE
7 FLOOR-1, NO. 100
ROOSEVELT ROAD, SECTION 2
TAIPEI, 100
TAIWAN

EXAMINER

LABAZE, EDWYN

ART UNIT

PAPER NUMBER

2876

DATE MAILED: 03/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/711,541

Applicant(s)

HWANG ET AL.

Examiner

EDWYN LABAZE

Art Unit

2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 September 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-14 are presented for examination.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claim 1-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Cedar et al. (U.S. 6,820,148).

Re claims 1, 9, and 14: Cedar et al. [hereinafter referred as "Cedar"] discloses multiple removable non-volatile memory cards serially communicating with a host, determining whether a present reading address of the reading command is same as a previous reading address, wherein when the present reading address is same as the previous reading address (col.5, lines 57+; col.7, lines 53-67; col.8, lines 1+), outputting a response and outputting a data in a data-lag mode to output the data after the response is outputted, wherein when the present reading address is reading address (col.8, lines 11+), and updating the previous not same as the previous reading address to be the present reading address, output the response and outputting the data in a data-parallel mode to output the data regardless of whether or not the response is outputted (col.10, lines 1-67).

Re claim 2: Cedar teaches an apparatus and method, wherein the step of outputting the data in a data-lag mode includes outputting the data after the response is outputted and after a first predetermined time passes (col.9, lines 45+).

Re claims 3-4: Cedar discloses an apparatus and method, further comprising a step of outputting the data in the data-lag mode during a second predetermined time without determining whether the present reading address of the reading command is the same as the previous reading address after the data is outputted in the data-lag mode; and further comprising a step of outputting said data in the data-lag mode without determining whether or not the present reading address of the reading command is the same as the previous reading address when it has determined for a plurality of times that the present reading address of the reading command is the same as the previous reading address (col.8, lines 30+; col.10, lines 54+).

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Re claims 5 and 10: Cedar discloses an apparatus and method, further comprising determining whether the reading command passes a cyclic redundancy check, and stopping a step of processing the reading command when the reading command does not pass a cyclic redundancy check (col.10, lines 10+).

Re claims 6 and 11: Cedar teaches an apparatus and method, further comprising a step of reading the data based on the reading command/signal from the memory [herein Cedar discloses a memory card identification non-rewritable register 41 to provide the host an unique identification to the card] of the memory card 10 during the step of outputting the response (col.7, lines 40+; col.9, lines 52+).

Re claims 7 and 12: Cedar discloses an apparatus and method, wherein the reading command is a multi-block reading command, further comprising outputting a data in a next block of the data after outputting the data; and stop outputting the data when the memory card receives a stop command (col.11, lines 28-42).

Re claims 8 and 13: Cedar teaches an apparatus and method, wherein the memory card is a SD memory (col.3, lines 4-49; col.8, lines 26-67).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Jones et al. (U.S. 6,438,638) teaches flashtoaster for reading several types of flash-memory cards with or without a PC.

Nakabe et al. (US 2003/0094491) discloses contactless IC card, responding method, and program therefor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDWYN LABAZE whose telephone number is (571) 272-2395. The examiner can normally be reached on 7:30 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

el
Edwyn Labaze
Patent Examiner
Art Unit 2876
March 3, 2005



THIEN M. LE
PRIMARY EXAMINER